**To:** All Dartmouth Health Providers

**From:** Mark A. Cervinski, PhD, DABCC

Director of Clinical Chemistry and Point-of-Care Testing

**Date:** 12/08/2022

**RE:** Total IgE, Serum, Updated Reference Intervals

On Thursday December 12, 2022, there will be an update to the reference intervals for the serum total IgE assay (LAB3605) performed in the special chemistry laboratory at the Dartmouth-Hitchcock Medical Center.

A table comparing the previous and updated Serum IgE reference intervals is included below.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Previous Serum IgE Reference Intervals | | | | Updated Serum IgE Reference Intervals | | | |
| 6 Weeks | 3 Months | ≤9 | kU/L | 6 months | 12 months | ≤ 34 | kU/L |
| 3 Months | 6 Months | ≤17 | kU/L | 1 Year | 3 Years | ≤ 97 | kU/L |
| 6 Months | 9 Months | ≤30 | kU/L | 3 Years | 4 Years | ≤ 199 | kU/L |
| 9 Months | 1 Years | ≤39 | kU/L | 4 Years | 7 Years | ≤ 307 | kU/L |
| 1 Years | 2 Years | ≤53 | kU/L | 7 Years | 9 Years | ≤ 403 | kU/L |
| 2 Years | 3 Years | ≤93 | kU/L | 9 Years | 13 Years | ≤ 696 | kU/L |
| 3 Years | 4 Years | ≤128 | kU/L | 13 Years | 16 Years | ≤ 629 | kU/L |
| 4 Years | 5 Years | ≤160 | kU/L | 16 Years | 18 Years | ≤ 537 | kU/L |
| 5 Years | 6 Years | ≤192 | kU/L | Greater than 18 Years | | ≤ 214 | kU/L |
| 6 Years | 7 Years | ≤224 | kU/L |  |  |  |  |
| 7 Years | 8 Years | ≤248 | kU/L |  |  |  |  |
| 8 Years | 9 Years | ≤280 | kU/L |  |  |  |  |
| 9 Years | 10 Years | ≤304 | kU/L |  |  |  |  |
| 10 Years | 11 Years | ≤328 | kU/L |  |  |  |  |
| 11 Years | 18 Years | ≤114 | kU/L |  |  |  |  |
| Greater than 18 Years | | ≤101 | kU/L |  |  |  |  |

The following link will open a PDF of the manuscript detailing the updated serum IgE reference intervals: [J Allergy Clin Immunology, 2014; 133:589 - 591](https://www.jacionline.org/action/showPdf?pii=S0091-6749%2813%2901376-6)

**For questions or additional information, please contact:** [Mark.A.Cervinski@Hitchcock.org](mailto:Mark.A.Cervinski@Hitchcock.org)